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Please amend page 2, lines 1-6, as follows:

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Figure 2 presents plots of absorption and nuclear polarization showing the solid effect in its pure form;

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Figure 4 shows the energy levels of  $\text{Ni}^{2+}$  in sapphire when the c-axis is parallel to the field direction; and

Figure 5 shows the energy levels of  $\text{Ni}^{2+}$  in sapphire when the c-axis is perpendicular to the field direction.

Detailed Description of the Invention--

Please amend page 35, line 13, by deleting the following text:

[Figure 1 is a schematic diagram showing the interactions between the electronic singlet and triplet states of a photoactive molecule;

Figure 2 shows the solid effect in its pure form;

Figure 3 shows the differential solid effect;

Figure 4 shows the energy levels of  $\text{Ni}^{2+}$  in sapphire when the c-axis is parallel to the field direction; and

Figure 5 shows the energy levels of  $\text{Ni}^{2+}$  in sapphire when the c-axis is perpendicular to the field direction.]

Please amend page 35, line 22, by inserting the following heading and paragraph:

--Examples

The following examples illustrate certain preferred embodiments of the instant invention but are not intended to be illustrative of all embodiments.--